

## ABSTRACT

Apparatus and methods to ensure that a seal has been removed from a toner cartridge before the cartridge is installed in an imaging device are described. In one implementation a cartridge configured to contain toner which is to be consumed by an imaging device via an outlet opening in the cartridge is described. The cartridge includes a reservoir configured to contain the toner. The reservoir is coupled in fluid flowing relation to the outlet opening. A removable seal is releasably coupled to the cartridge. The seal is configured to substantially seal the outlet opening while the seal is coupled to the cartridge. A pull-ring is attached to the seal. The pull-ring is configured to prevent installation of the cartridge into the imaging device while the seal is coupled to the cartridge.